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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/605,855	06/29/2000	Robert James Lockwood	95-424	7975

23164 7590 09/02/2003

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EXAMINER

GAUTHIER, GERALD

ART UNIT	PAPER NUMBER
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2645

DATE MAILED: 09/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/605,855

Applicant(s)

LOCKWOOD, ROBERT JAMES

Examiner

Gerald Gauthier

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)                      4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)                      5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. **Claims 1, 8-12, 14-16, 23-27 and 29-30** are rejected under 35 U.S.C. 103(a) as being unpatentable over Abu-Shukhaidem et al. (US 6,324,272) in view of Brendzel et al. (US 5,859,901).

Regarding **claim 1**, Abu-Shukhaidem discloses a telecommunication calling party number determination and manipulation (column 1, lines 7-10), (which reads on claimed "method in a notification system for sending a notification message for a user to a messaging server (420 on FIG. 4) configured for identifying the user based on a telephone number in a first format"), the method including:

obtaining for the notification message (column 4, line 10 "the incoming message") a telephone number (column 4, line 12 "telephone number") in a second format (column 4, lines 4-13) [The incoming message having a format includes information of a telephone number];

converting the telephone number in the second format to the telephone number in the first format based on execution of a mapping rule (column 4, line 33 "allowable

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string manipulations") selected based on a match (column 4, line 29 "a pattern match") between the mapping rule and at least a portion of the telephone number in the second format (column 4, lines 24-42) [The switch determines a pattern match of the telephone number and performs manipulations of the digits to be transmitted in an outgoing message]; and

outputting the notification message having the destination telephone number having the first format (column 4, lines 40-56) [The switch transmitted an outgoing message with the telephone number manipulated].

Abu-Shukhaidem fails to disclose converting the destination telephone number in the second format.

However, Brendzel teaches the conversion of the destination number (column 4, lines 32-56).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to use the manipulation of the dialed telephone number by adding the area code of Brendzel in the invention of Abu-Shukhaidem.

The modification would have the capability of using the manipulation of the dialed telephone number by adding the area code such as the system would allow the calling party to dial without area code.

Regarding **claims 8 and 9**, Abu-Shukhaidem discloses wherein the converting step includes matching the mapping rule and the at least a portion of the destination telephone number in the second format based on a prescribed pattern within the destination telephone number in the second format (column 7, lines 3-6).

Regarding **claim 10**, Abu-Shukhaidem discloses wherein the converting step further includes replacing the at least a portion of the destination telephone number in the second format with a replacement value specified in the matched mapping rule (column 5, lines 6-11).

Regarding **claim 11**, Abu-Shukhaidem discloses wherein the first format is an international telephone format, and the second format is a national telephone format (column 2, lines 36-37).

Regarding **claims 12 and 27**, Abu-Shukhaidem discloses a telecommunication calling party number determination and manipulation (column 1, lines 7-10), (which reads on claimed "notification system configured for sending a notification message for a user to a messaging server (420 on FIG. 4), the messaging server configured for identifying the user based on a telephone number in a first format"), the notification system including:

a message interface (430 on FIG. 4) configured for receiving the notification message (column 4, line 10 “the incoming message”) and having the telephone number in a second format (column 4, lines 4-13) [The incoming message having a format includes information of a telephone number];

a dial map (450 on FIG. 4) configured for converting the telephone number in the second format to the telephone number in the first format, the dial map executing a selected mapping rule (column 4, line 33 “allowable string manipulations”) based on a match (column 4, line 29 “a pattern match”) between the mapping rule and at least a portion of the destination telephone number in the second format (column 4, lines 24-42) [The switch determines a pattern match of the telephone number and performs manipulations of the digits to be transmitted in an outgoing message]; and

a output interface (440 on FIG. 4) configured for outputting to the messaging server the notification message having the destination telephone number in the first format (column 4, lines 40-56) [The switch transmitted an outgoing message with the telephone number manipulated].

Abu-Shukhaidem fails to disclose converting the destination telephone number in the second format.

However, Brendzel teaches the conversion of the destination number (column 4, lines 32-56).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to use the manipulation of the dialed telephone number by adding the area code of Brendzel in the invention of Abu-Shukhaidem.

The modification would have the capability of using the manipulation of the dialed telephone number by adding the area code such as the system would allow the calling party to dial without area code.

Regarding **claims 14, 15 and 29-30**, Abu-Shukhaidem teaches wherein the dial map is configured for storing a plurality of the mapping rules, each mapping rule specifying a corresponding first expression, and a corresponding to second expression having the first format, the dial map selecting the selected mapping rule based on a match between the destination telephone number having the second format and the corresponding first expression (column 4, lines 28-42).

Regarding **claim 16**, Abu-Shukhaidem discloses a telecommunication calling party number determination and manipulation (column 1, lines 7-10), (which reads on claimed " a computer readable medium (145 on FIG. 1) having stored thereon sequences of instructions for sending a notification message for a user to a messaging server configured for identifying the user based on a destination telephone number in a first format"), the sequences of instructions including instructions for performing the steps of:

obtaining for the notification message (column 4, line 10 "the incoming message") a telephone number (column 4, line 12 "telephone number") in a second format (column 4, lines 4-13) [The incoming message having a format includes information of a telephone number];

converting the destination telephone number in the second format to the telephone number in the first format based on execution of a mapping rule (column 4, line 33 "allowable string manipulations") selected based on a match (column 4, line 29 "a pattern match") between the mapping rule and at least a portion of the telephone number in the second format (column 4, lines 24-42) [The switch determines a pattern match of the telephone number and performs manipulations of the digits to be transmitted in an outgoing message]; and

outputting the notification message having the destination telephone number having the first format (column 4, lines 40-56) [The switch transmitted an outgoing message with the telephone number manipulated].

Abu-Shukhaidem fails to disclose converting the destination telephone number in the second format.

However, Brendzel teaches the conversion of the destination number (column 4, lines 32-56).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to use the manipulation of the dialed telephone number by adding the area code of Brendzel in the invention of Abu-Shukhaidem.

The modification would have the capability of using the manipulation of the dialed telephone number by adding the area code such as the system would allow the calling party to dial without area code.



Regarding **claims 23 and 24**, Abu-Shukhaidem teaches wherein the converting step includes matching the mapping rule and the at least a portion of the destination telephone number in the second format based on a prescribed pattern within the destination telephone number in the second format (column 7, lines 3-6).

Regarding **claim 25**, Abu-Shukhaidem teaches wherein the converting step further includes replacing the at least a portion of the destination telephone number in the second format with a replacement value specified in the matched mapping rule (column 5, lines 6-11).

Regarding **claim 26**, Abu-Shukhaidem teaches wherein the first format is an international telephone format, and the second format is a national telephone format (column 2, lines 36-37).

3. **Claims 2-7, 13, 17-22 and 28** are rejected under 35 U.S.C. 103(a) as being unpatentable over Abu-Shukhaidem in view of Brendzel and in further view of Lorello et al. (US 6,208,870).

Regarding **claims 2, 13 and 28**, Lorello teaches wherein the outputting step includes outputting the notification message to the messaging server according to Short Message Peer to Peer (SMPP) protocol (column 10, lines 53-58).

Regarding **claim 3**, Abu-Shukhaidem discloses wherein the messaging server is a Short Message Service Center configured for sending the notification message to a wireless telephone corresponding to the destination telephone number having the first format (column 3 lines 34-48).

Regarding **claim 4**, Abu-Shukhaidem discloses wherein the first format is an international telephone format, and the second format is a national telephone format (column 2, lines 36-37).

Regarding **claims 5 and 6**, Abu-Shukhaidem teaches wherein the converting step includes matching the mapping rule and the at least a portion of the destination telephone number in the second format based on a prescribed pattern within the destination telephone number in the second format (column 5, lines 1-10).

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Regarding **claim 7**, Abu-Shukhaidem teaches wherein the converting step further includes replacing the at least a portion of the destination telephone number in the second format with a replacement value specified in the matched mapping rule (column 7, lines 3-22).

Regarding **claim 17**, Lorello teaches wherein the outputting step includes outputting the notification message to the messaging server according to Short Message Peer to Peer (SMPP) protocol (column 10, lines 53-58).

Regarding **claim 18**, Lorello teaches wherein the messaging server is a Short Message Service Center configured for sending the notification message to a wireless telephone corresponding to the destination telephone number having the first format (column 1, lines 58-61).

Regarding **claim 19**, Abu-Shukhaidem teaches wherein the first format is an international telephone format, and the second format is a national telephone format (column 2, lines 36-37).

Regarding **claims 20 and 21**, Abu-Shukhaidem teaches wherein the converting step includes matching the mapping rule and the at least a portion of the destination telephone number in the second format based on a prescribed pattern within the destination telephone number in the second format (column 5, lines 1-10).

Regarding **claim 22**, Abu-Shukhaidem teaches wherein the converting step further includes replacing the at least a portion of the destination telephone number in the second format with a replacement value specified in the matched mapping rule (column 7, lines 3-22).

### ***Response to Arguments***

4. Applicant's arguments with respect to **claims 1-30** have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lindquist is cited for converting a routing address within a telecommunications network (FIG. 4).

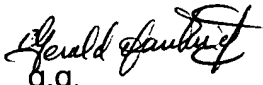
Billings et al. is cited for a system for processing calling party information for international communications services (FIG. 1).

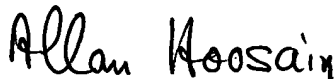
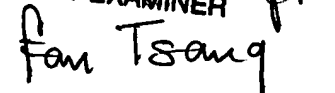
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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gerald Gauthier whose telephone number is (703) 305-0981. The examiner can normally be reached on 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (703) 305-4895. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4750.

  
g.g.  
August 21, 2003

  
ALLAN HOOSAIN  
PRIMARY EXAMINER  
 for